Recombinant Human Histone acetyltransferase type B catalytic subunit (HAT1)

Product Code	CSB-EP010143HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O14929
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AGFGAMEKF LVEYKSAVEK KLAEYKCNTN TAIELKLVRF PEDLENDIRT FFPEYTHQLF GDDETAFGYK GLKILLYYIA GSLSTMFRVE YASKVDENFD CVEADDVEGK IRQIIPPGFC TNTNDFLSLL EKEVDFKPFG TLLHTYSVLS PTGGENFTFQ IYKADMTCRG FREYHERLQT FLMWFIETAS FIDVDDERWH YFLVFEKYNK DGATLFATVG YMTVYNYYVY PDKTRPRVSQ MLILTPFQGQ GHGAQLLETV HRYYTEFPTV LDITAEDPSK SYVKLRDFVL VKLCQDLPCF SREKLMQGFN EDMAIEAQQK FKINKQHARR VYEILRLLVT DMSDAEQYRS YRLDIKRRLI SPYKKKQRDL AKMRKCLRPE ELTNQMNQIE ISMQHEQLEE SFQELVEDYR RVIERLAQE
Source	E.coli
Target Names	HAT1
Protein Names	Recommended name: Histone acetyltransferase type B catalytic subunit EC= 2.3.1.48 Alternative name(s): Histone acetyltransferase 1
Expression Region	2-419
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is a type B histone acetyltransferase (HAT) that is involved in the rapid acetylation of newly synthesized cytoplasmic histones, which are in turn imported into the nucleus for de novo deposition onto nascent DNA chains. Histone acetylation, particularly of histone H4, plays an important role in replication-dependent chromatin assembly. Specifically, this HAT can acetylate soluble but not nucleosomal histone H4 at lysines 5 and 12, and to a lesser degree, histone H2A at lysine 5. Alternatively spliced transcript variants have been identified for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.